FlapSpeed™ Controller

For Controlled Rotary Flap Peening.

SHOCKFORM

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The **New FlapSpeed™ Controller V.3** with **Spedron™ Technology** offers flapper peening that is:

BETTER

- Controller continuously monitors and adjusts the RPM for more reliable and repeatable peening every time
- Alarm will sound if rotational speed is out of tolerance
- USB recording of process parameters in real time
- Touch Screen User Interface

FASTER

- With the personalized Intensity versus RPM curves for up to 5 operators
- Spend less time on preparation and more time peening.

EASIER

- Press start and get the exact rotational speed
- Use the integrated stopwatch or countdown timer to do saturation curves.
- Easily meet Nadcap and other process requirements

FlapSpeed™ Controller - Air (FPK-A102)

Includes:

- **FlapSpeed™ Controller with touch screen user interface, USB data recording, 'Intensity vs. RPM' curves for 5 operators, stopwatch and countdown timer, Air Grinder (straight or 90 deg.) with speed sensor, buzzer and on-off switch, Travel Case, Certificate of Calibration, User Manual (paper and .pdf copy)**

FlapSpeed™ Complete Kit - Air (FPK-A103)

The Kit Includes:

- **1 FlapSpeed™ Controller (FPK-A102 above), 1 Magnetic Almen Strip Holder, 1 Mandrel for 9/16" X 1-1/4" Flaps, 10 Flaps 9/16" X 1-1/4", 100 Almen Strips A1**

Note: If you are starting out in peening, you may also need an Almen Gage

FlapSpeed™ Controller - Electric (FPK-E102)

Includes:

- **FlapSpeed™ Controller with touch screen user interface, USB data recording, 'Intensity vs. RPM' curves for 5 operators, stopwatch and countdown timer, Speed sensor , Travel Case, Certificate of Calibration, User Manual (paper and .pdf copy)**

FlapSpeed™ Complete Kit - Electric (FPK-E103)

The Kit Includes:

- **1 FlapSpeed™ Controller (FPK-E102 Above), 1 Magnetic Almen Strip Holder, 1 Mandrel for 9/16" X 1-1/4" Flaps, 10 Flaps 9/16" X 1-1/4", 100 Almen Strips A1-S**

Note: If you are starting out in peening, you may also need an Almen Gage

Specifications for flapper peening, only the FlapSpeed™ Controller helps you meet these requirements and gives you documentation to support it.

NADCAP:

The Nadcap organization, representing Boeing, Bombardier and other OEM's, has published the Audit Criteria AC 7117/4 that requires that the equipment used for flapper peening consistently maintain the RPM to conform to the required Almen intensity.

MILITARY SPECIFICATION:

The MIL-R-81841 for flapper peening requires that a speed control be used and that the equipment be capable of reproducing consistently the required peening intensity.

SAE:

In December 2010, SAE issued the specification AMS 2590 addressing flapper peening. It requires that the rotary tools be capable of reproducing consistently the required peening intensities. Either pneumatic or electrically-powered tools properly speed-controlled are acceptable.

FlapSpeed™ Accessories and Consumables:

Additional 90 degree Air Grinder with installed speed sensor, buzzer, on-off switch and 25 ft. Hose (FGR-090)	
Additional straight Air Grinder with installed speed sensor, buzzer, on-off switch and 25 ft. Hose (FGR-000)	
Almen Digital Gauge (FPG-1000)	
Magnetic Strip Holder 2" X 7" X 1" (FPM-1000)	
9/16" X 1" 3M Roto Peen Flap (FLAP-100)	
9/16" X 1-1/4" 3M Roto Peen Flap (FLAP-125)	
1" X 2" 3M Roto Peen Flap (FLAP-200)	
Mandrel 7212 for 9/16" X 1" Flap (FPM-0100)	
Mandrel 7210 for 9/16" X 1-1/4" Flap (FPM-0125)	
Mandrel 7211 for 1" X 2" Flap (FPM-0200)	
Almen Strip A-1 box of 50 (Almen A-1)	

Shockform Offers you FAA Certified Flapper Peening Training On-Site!

On-Site Training & Certification

Shockform Aeronautique Inc offers a one day Rotary Flapper Peening Certification Program on customer's premises, that includes classroom instructions and shop practice. Certificates of Proficiency are awarded to those demonstrating shop practice competence and passing a written examination. This certification is part of Electronics Inc. (EI) training approved by the Federal Aviation Administration (FAA).

Shockform Streamlines the Purchasing Effort!

For more information, please contact us at:

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